AMENDMENTS TO THE CLAIMS

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1-7 (Canceled)

8. (Currently amended) A method of nucleic acid delivery to target cells of a subject

comprising the step of administering a conjugating agent-nucleic acid complex where the

conjugating agent comprises A-R₁-Q-Z₂ where A is a hydrophilic-moiety that illustratively

includes C₀-C₄-alkyl-hydroxy, substituted amino, quaternary amino, sulfonate, phosphonate,

carboxylate or a target; where R₄ A-R₁ is a cholesterol derivative selected from the group

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consisting of cholestanol, coprostanol, glycocholic acid, chenodeoxycholic acid, desoxycholic

acid, glycochenodeoxycholic acid, taurocholic acid, and taurochenodeoxycholic acid; a-C₈-C₂₄

 $alkyl; C_8 \cdot C_{24} \cdot heteroatom \ substituted \ alkyl \cdot wherein \ the \ heteroatom \ is \ O, \ N, \ or \ S; \ or \ a \ bile \ acid;$

where Q is a sulfur, nitrogen, or oxygen; and Z is a polyionic peptide.

9. (Previously presented) The method of claim 8, wherein said administration is

oral.

10. (Previously presented) The method of claim 8, wherein nucleic acid of said

complex is expressed as a protein in said target cells.

11. (Previously presented) The method of claim 10 wherein said protein is secreted

from said target cells.

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12. (Previously presented) The method of claim 10 wherein said protein is of a class

selected from the group consisting of: proteases, pituitary hormones, protease inhibitors, growth

factors, cytokines, somatomedians, chemokines, immunoglobulins, gonadotrophins, interleukins,

chemotactins, interferons, and lipid-binding proteins.

13. (Previously presented) The method of claim 8 wherein nucleic acid of said

complex is selected from the group consisting of: DNA, RNA, mRNA, miRNA, ribozyme, and

antisense sequences.

14. (Previously presented) The method of claim 8 wherein said complex is

administered as part of a pharmaceutical composition.

15. (Previously presented) The method of claim 14 wherein said pharmaceutical

composition comprises an active therapeutic compound.

16. (Previously presented) The method of claim 15 wherein said therapeutic

compound is selected from the group consisting of: an antibiotic, a gamma or beta radiation

emitting species, an anti-inflammatory, an antitumoral, an antiviral, an antibody, a hormone, an

enzyme, antigenic peptide and antigenic protein.

17-18 (Canceled)

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 (Previously presented) The method of claim 8, wherein said target cells are gastrointestinal cells.

20. (Currently amended) A nucleic acid delivery composition comprising a conjugating agent-nucleic acid complex having the formula:

$$A-R_1-Q-Y-Z$$

where R₁ A—R₁ is a cholesterol derivative <u>selected from the group consisting of</u> cholestanol, coprostanol, glycocholic acid, chenodeoxycholic acid, desoxycholic acid, glycochenodeoxycholic acid, taurocholic acid, and taurochenodeoxycholic acid; a C₈ C₂₄ alleyl; C₈ C₂₄ heteroatom substituted alkyl wherein the heteroatom is O, N or S; or a bile acid; where A is a hydrophilic moiety that illustratively includes C₆ C₄ alkyl hydroxy, substituted amino, quaternary amino, sulfonate, phosphonate, carboxylate or a target ligand; where Q is sulfur, nitrogen, or oxygen; where Y is a linker peptide having a negative, neutral, or positive charge; and where Z is a polyionic peptide.

- (Canceled)
- (Currently amended) The composition of claim 20 wherein said cholesterol derivative is a cholic acid or a deoxycholic acid.
 - 23. (Canceled)
 - 24. (Previously presented) The composition of claim 20 wherein said Q is oxygen.

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- 25. (Canceled)
- 26. (Previously presented) The composition of claim 20 wherein Z is polycationic.

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- 27. (Previously presented) The composition of claim 26 wherein Z contains at least six residues
 - 28-29 (Canceled)
- 30. (Previously presented) A commercial package comprising a composition of A-R₁-Q-Z according to claim 8 as an active ingredient together with instructions for the use thereof as a nucleic acid delivery agent to a subject.